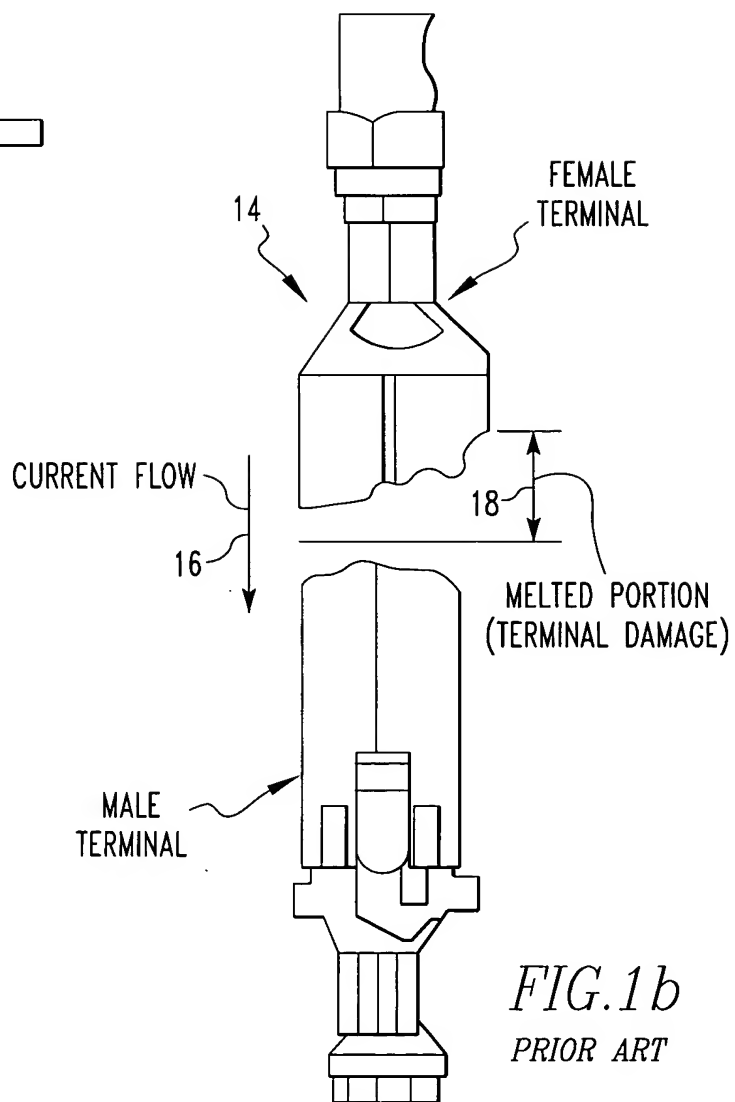
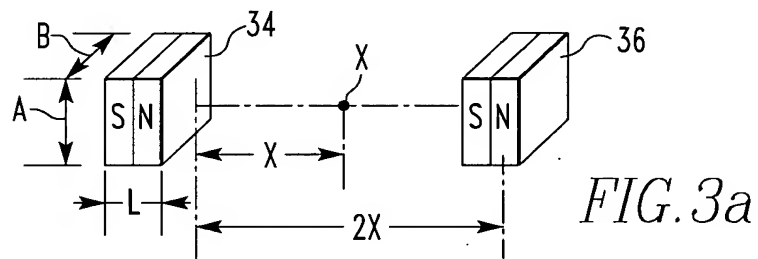
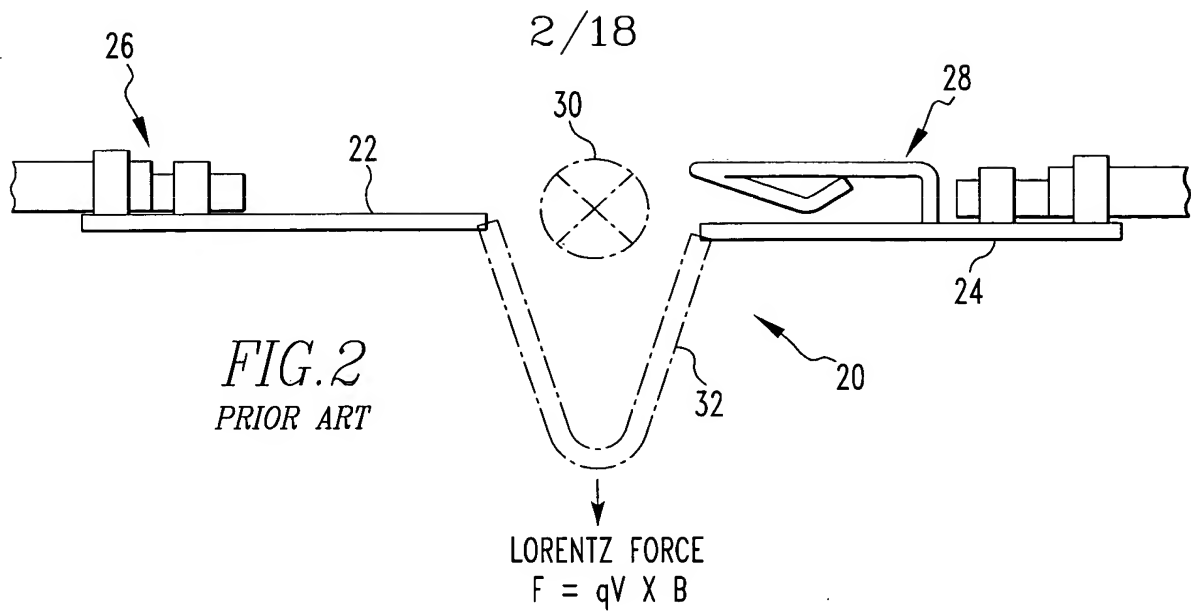


*FIG. 1a*  
PRIOR ART



*FIG. 1b*  
PRIOR ART

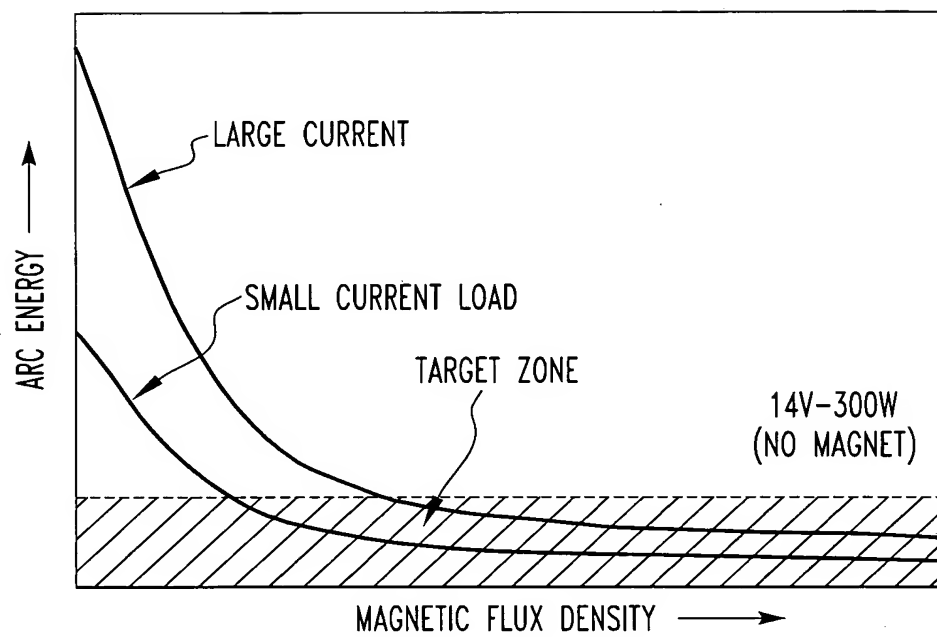


MAGNETIC FLUX DENSITY AT POINT :

$$B(x) = \frac{2Br}{\pi} \left\{ \tan^{-1} \frac{AB}{2x \sqrt{4x^2 + A^2 + B^2}} - \tan^{-1} \frac{AB}{2(L+x) \sqrt{4(L+x)^2 + A^2 + B^2}} \right\}$$

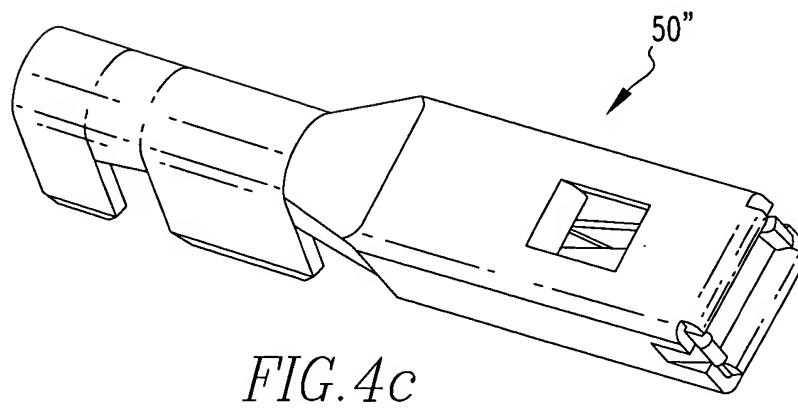
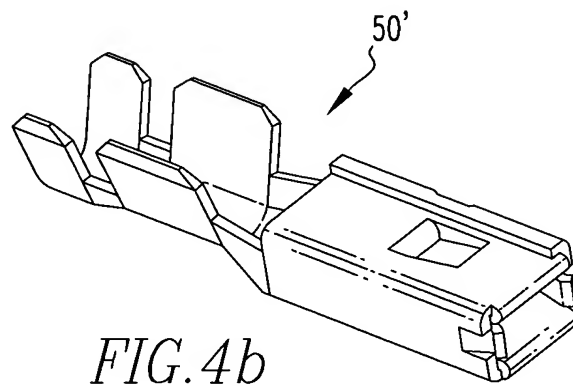
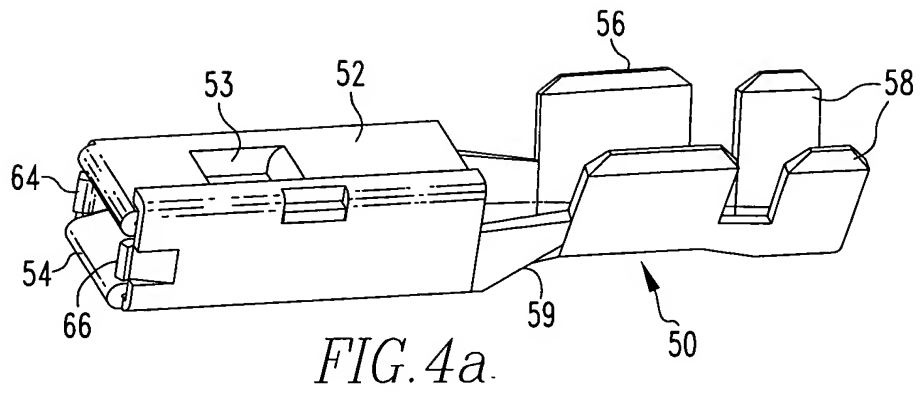
38

FIG. 3b



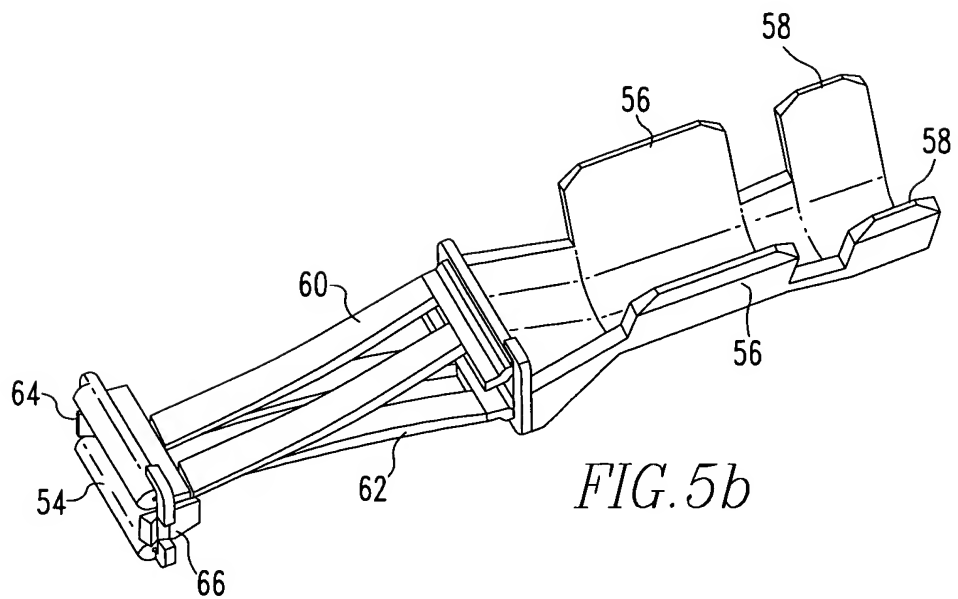
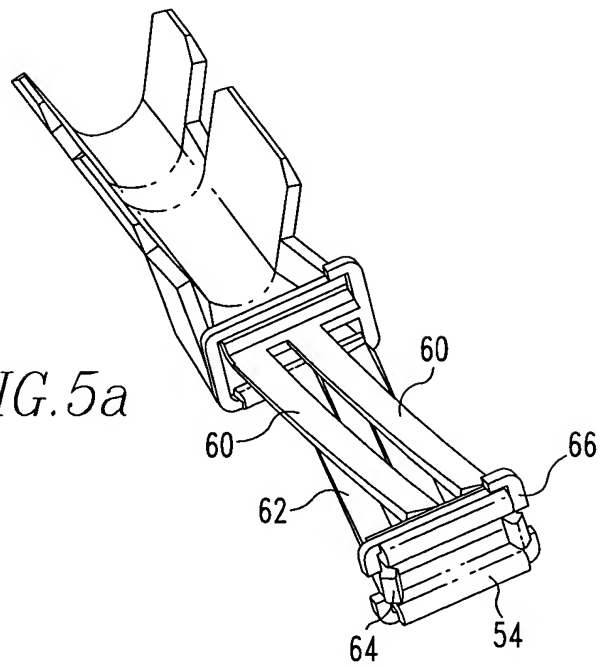
*FIG. 3c*  
*PRIOR ART*

4/18



5/18

*FIG. 5a*



*FIG. 5b*

6/18

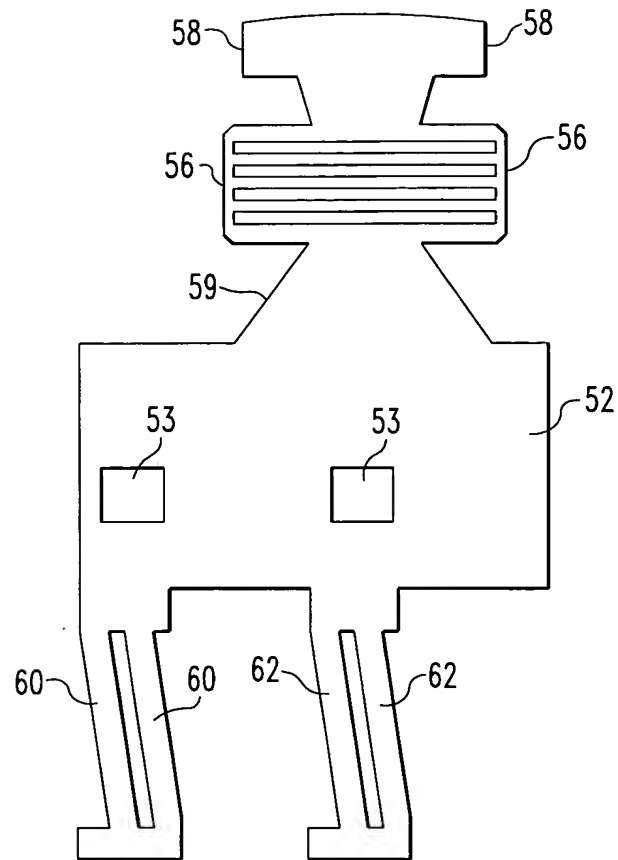


FIG. 6

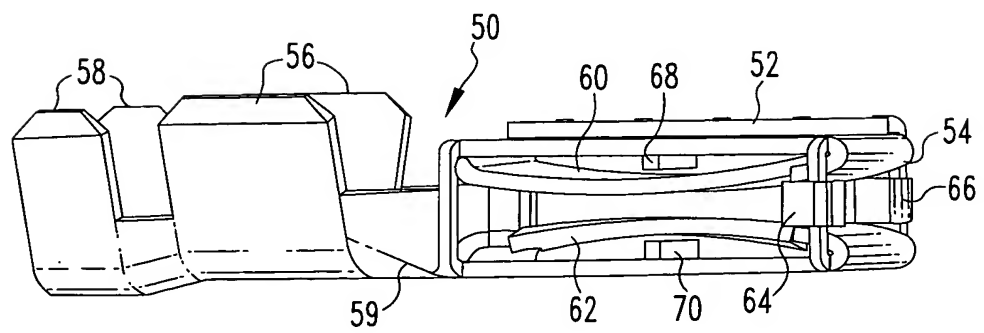
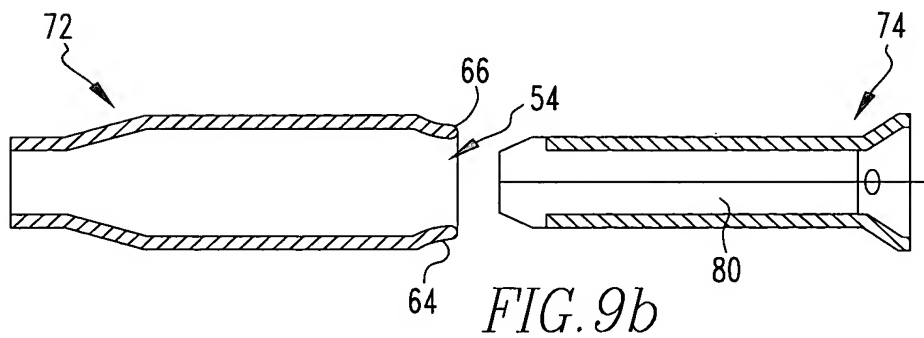
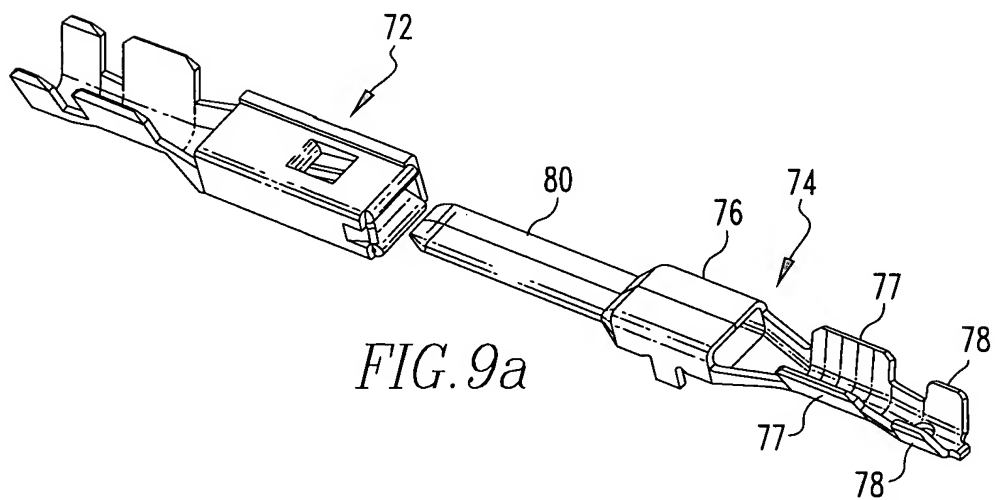
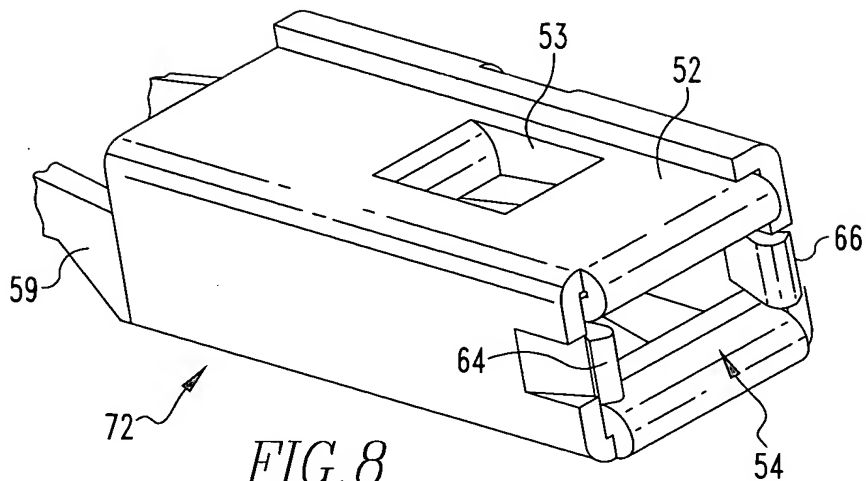
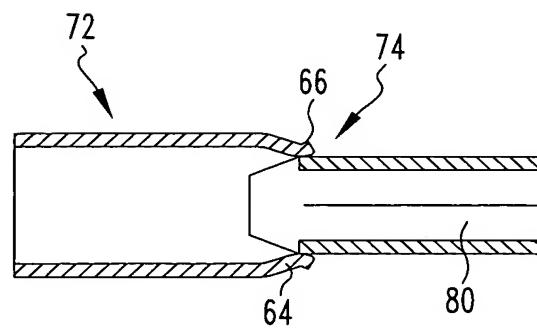
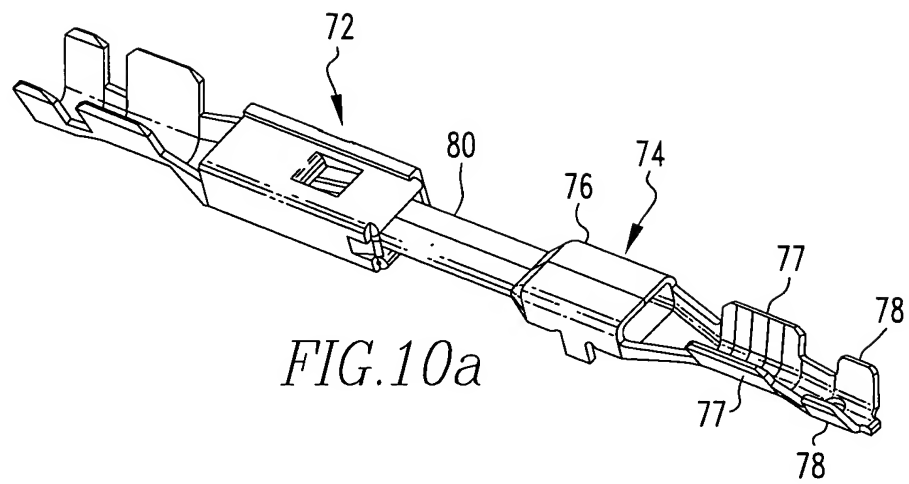
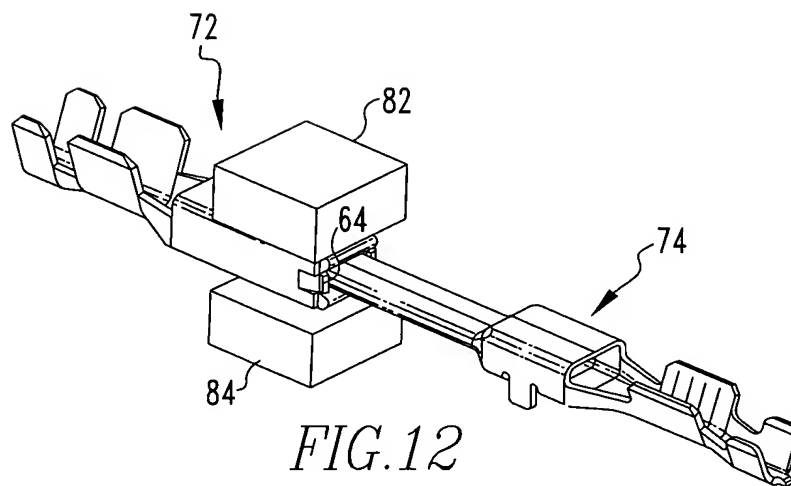
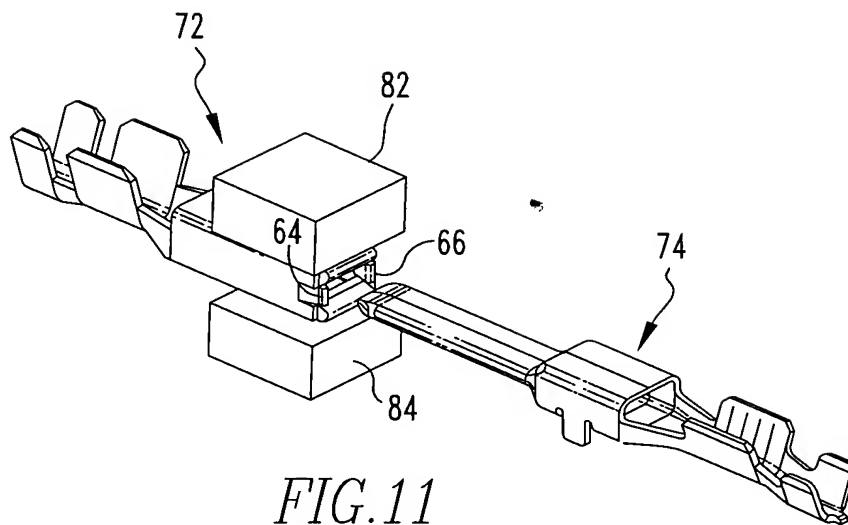


FIG. 7

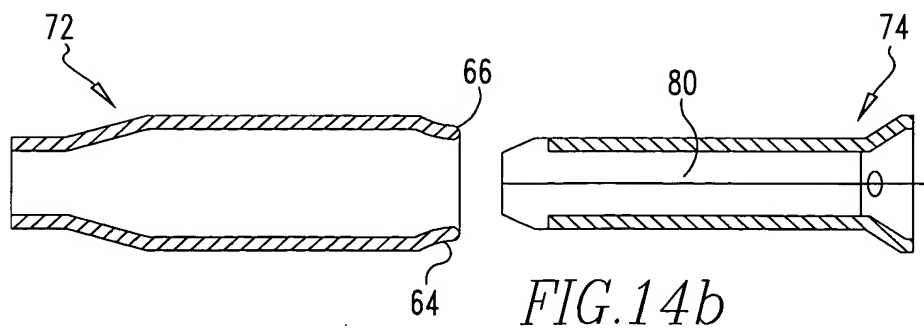
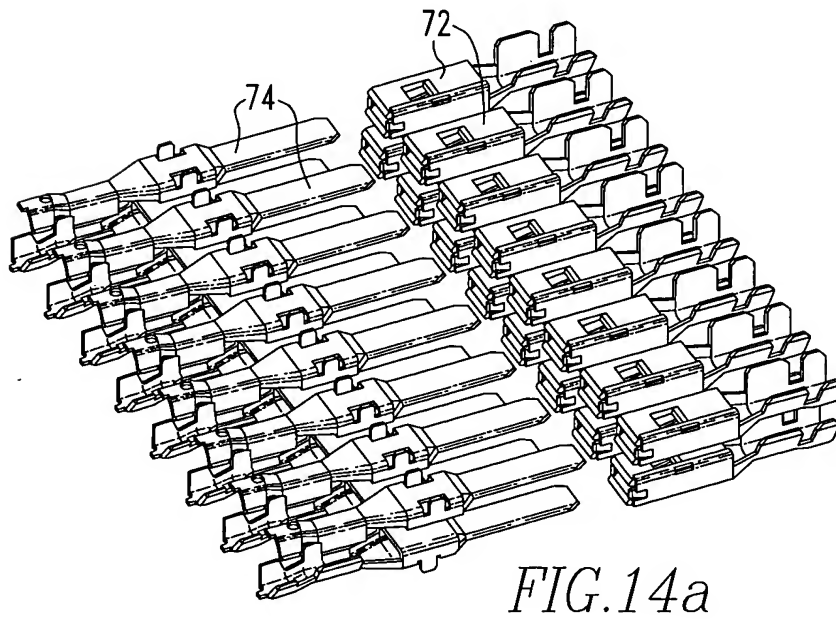
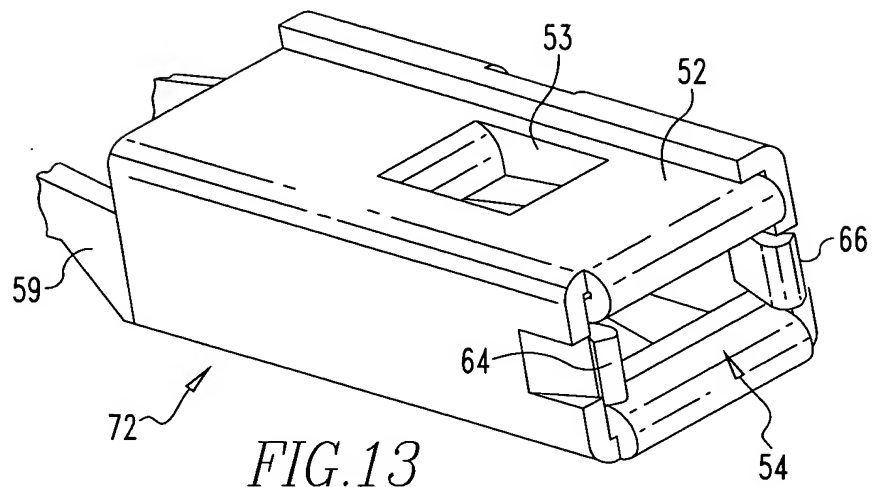
7/18

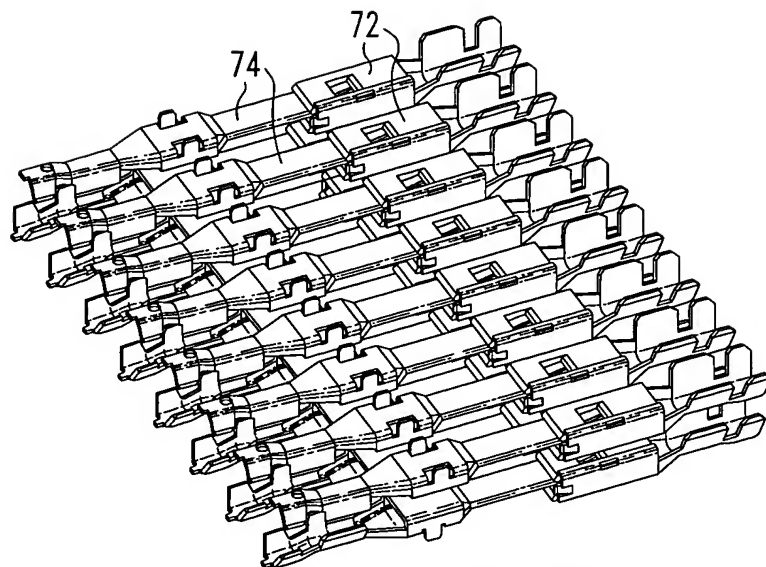




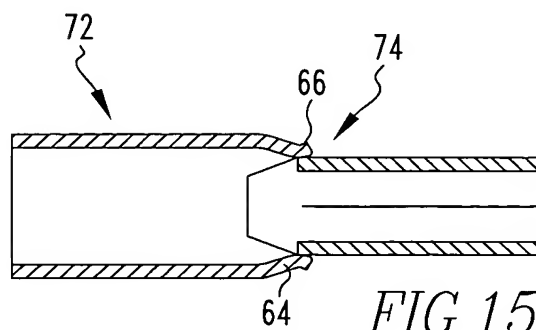


10/18





*FIG. 15a*



*FIG. 15b*

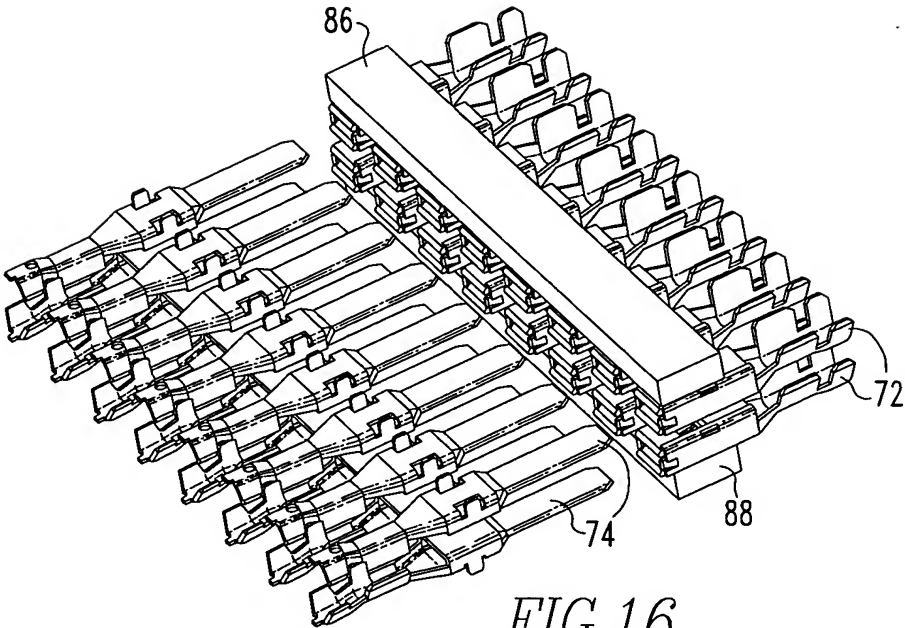


FIG. 16

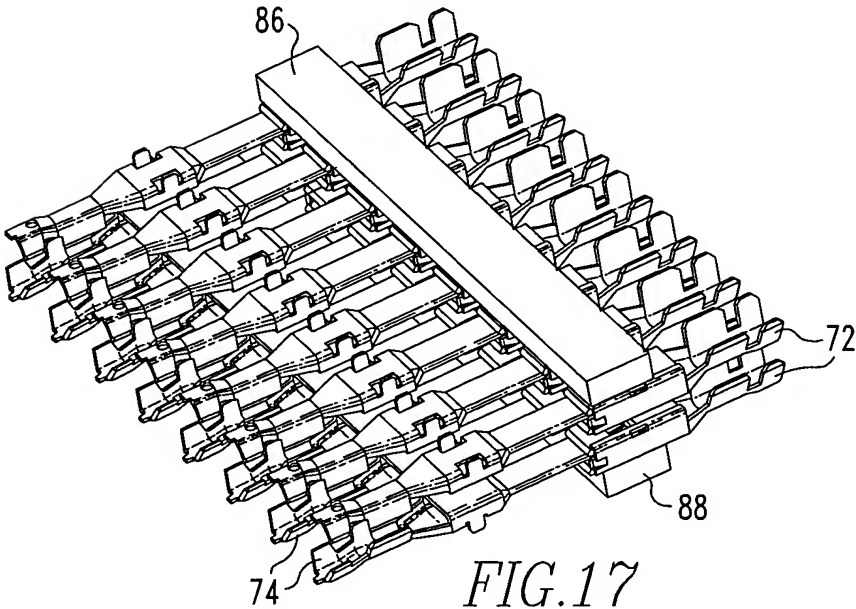


FIG. 17

13/18

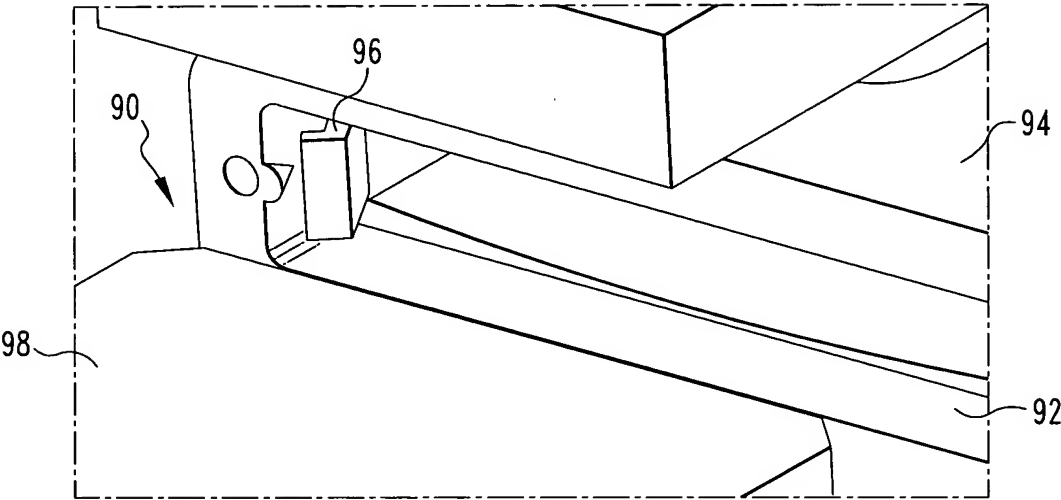


FIG. 18

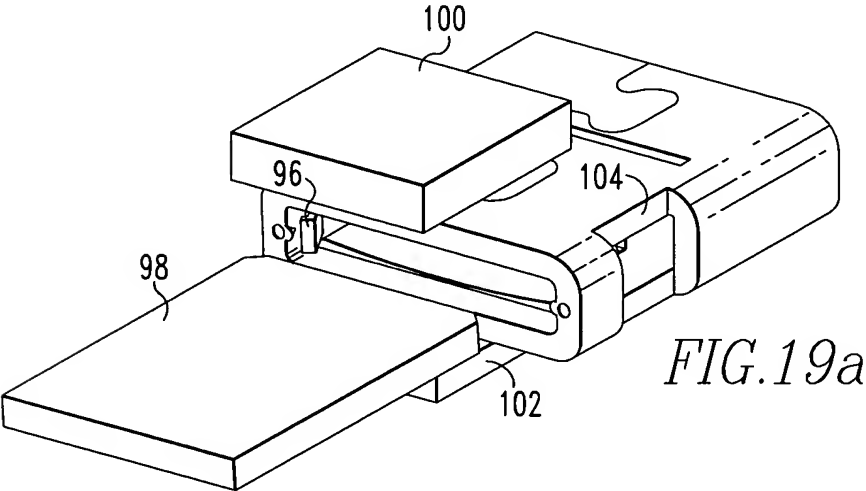


FIG. 19a

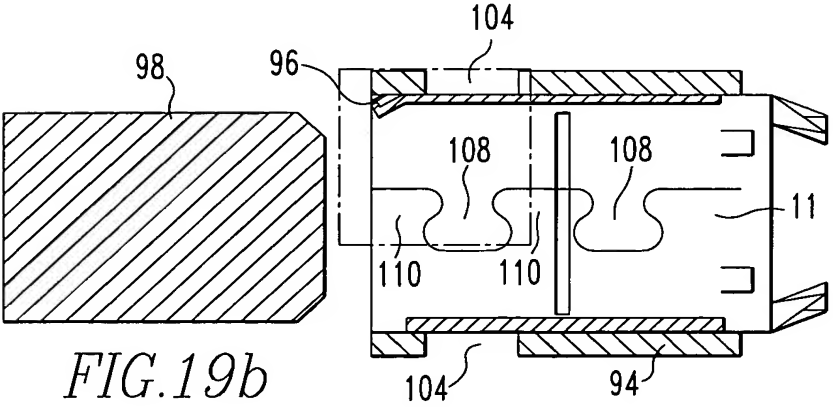


FIG. 19b

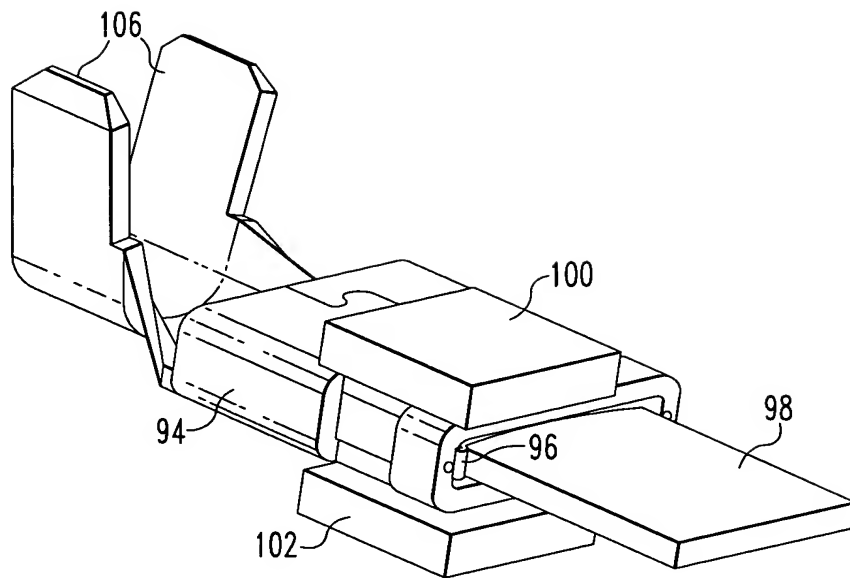


FIG. 20a

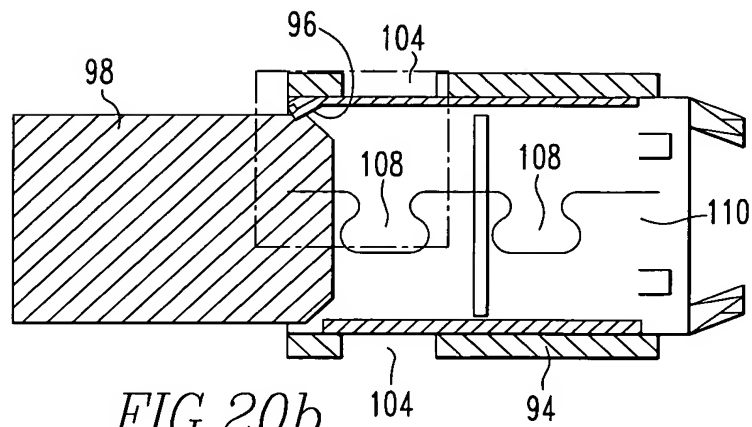


FIG. 20b

15/18

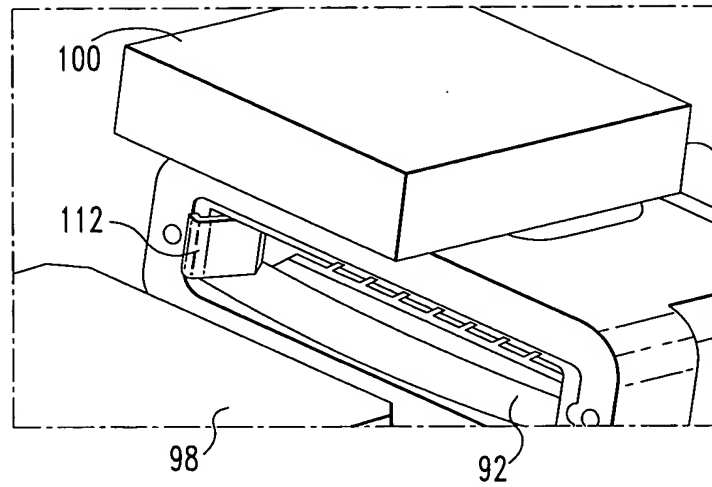


FIG. 21

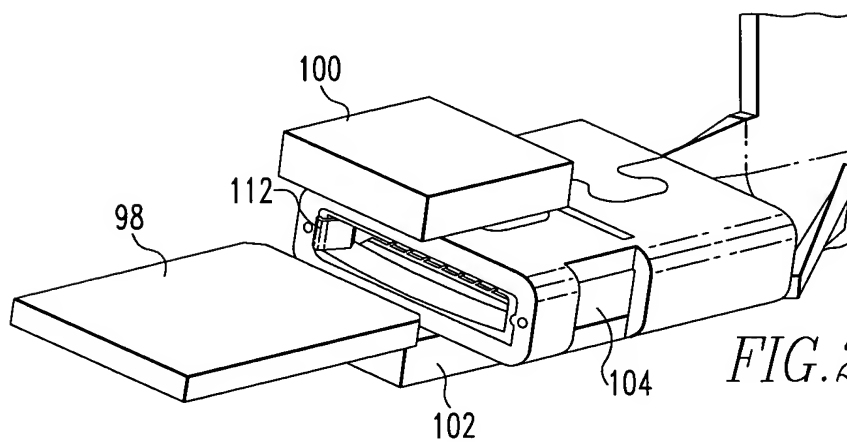


FIG. 22a

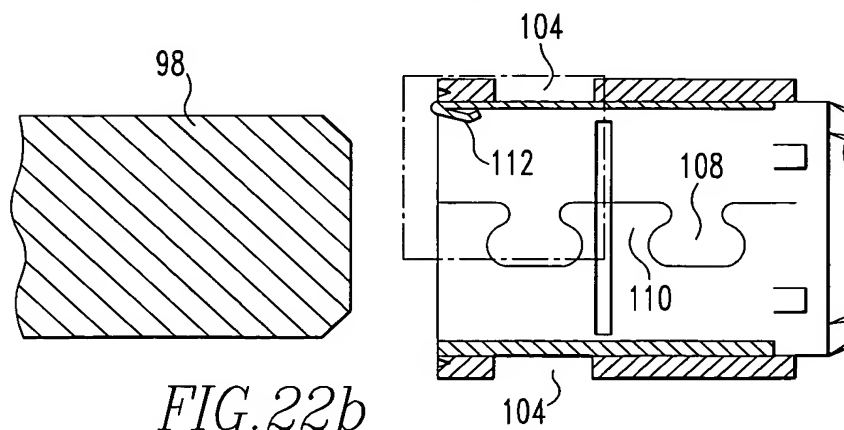


FIG. 22b

